

Application
Number

IDS Flag Clearance for Application 10019587

**IDS
Information**

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
M844	2006-09-21	54	Y <input checked="" type="checkbox"/>	2006-10-17 07:28:09.0	PDharia
M844	2003-05-27	29	Y <input checked="" type="checkbox"/>	2005-05-19 09:41:20.0	mpridgen
M844	2002-05-31	28	Y <input checked="" type="checkbox"/>	2005-05-19 09:40:54.0	mpridgen
<input type="button" value="Update"/>					

10/019587

Inventor: KANBARA, SHIGEKI, et al

Status: 71 - RESPONSE TO NON-FINAL OFFICE ACTION ENTERED AND FORWARDED TO EXAMINER

Title: ACOUSTIC TOUCH SENSOR

Examiner: DHARIA, PRABODH

GAU: 2629
Classification: 345/177.000

All tab report (4 items, not sorted)

IDS	Annot Avail	Doc Code	Date	Pages	Conten t	Entry#	Review Date	Reviewer
✓		IDS	09/21/2006	2	M844	54	10/17/2006 07:28:09	PDharia
		1449	06/30/2005	2			N/A	
✓		IDS	05/27/2003	3	M844	29	05/19/2005 09:41:20	mpridgen
✓		IDS	05/31/2002	4	M844	28	05/19/2005 09:40:54	mpridgen

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	touch same input same device and substrate and first same planar same surface and second same planar same surface and acoustic same wave same transducer and generat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 07:45
L2	0	touch same input same device and substrate and first same planar same surface and second same planar same surface and acoustic same wave same transducer and generat\$6 and acoustic same waves and acoustic same wave same transducer same coupled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 07:46
L3	0	touch same input same device and substrate and first same planar same surface and second same planar same surface and generat\$6 and acoustic same wave same transducer same coupled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 07:47
L4	0	touch same input same device and substrate and first same planar same surface and second same planar same surface and generat\$6 and acoustic same wave same transducer and coupled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 07:47
L5	0	touch same input same device and substrate and first same planar same surface and second same planar same surface and generat\$6 and acoustic same wave same transducer and coupl\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:05
L6	1	touch same input same device and substrate and first same planar same surface and second same planar same surface and generat\$6 and acoustic same wave same transducer and second same planar same surface and generated same acoustic same waves same transmit\$6 and first same planar same surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:08

EAST Search History

L7	0	touch same input same device and substrate and first same planar same surface and second same planar same surface and generat\$6 and acoustic same wave same transducer and second same planar same surface and generated same acoustic same waves same transmit\$6 and first same planar same surface and planar same wiring same printed and connect\$6 and planar same wiring and first adj electrode and second adj electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:13
L8	0	touch same input same device and substrate and first same planar same surface and second same planar same surface and generat\$6 and acoustic same wave same transducer and second same planar same surface and generated same acoustic same waves same transmit\$6 and first same planar same surface and planar same wiring same printed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:12
L9	0	touch same input same device and substrate and first same planar same surface and second same planar same surface and generat\$6 and acoustic same wave same transducer and second same planar same surface and generated same acoustic same waves same transmit\$6 and first same planar same surface and planar same wir\$6 same print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:13
L10	99	touch same input same device and substrate and first same planar same surface and second same planar same surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:14
L11	23	touch same input same device and substrate and first same planar same surface and second same planar same surface and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 09:14
L12	2	touch same input same device and substrate and first same planar same surface and second same planar same surface and transducer\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:28
L13	1	touch same input same device and substrate and first same planar same surface and second same planar same surface and transducer\$6 and electrode\$1 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:29

EAST Search History

L14	1	touch same input same device and substrate and first same planar same surface and second same planar same surface and transducer\$6 and electrode\$1 and print\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:29
L15	1	touch same input same device and substrate and first same planar same surface and second same planar same surface and transducer\$6 and electrode\$1 and print\$6 and wire\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:29
L16	2	"6567077".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:30
L17	1	"6567077".pn. and transmit	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:31
L18	1	"6567077".pn. and transmit and first same planar same surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 08:31
L19	246	345/177.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:51
L20	0	345/177.ccls. and acoustic and wave and input and devivce	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:52
L21	113	345/177.ccls. and acoustic and wave and input and device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:52
L22	88	345/177.ccls. and acoustic and wave and input and device and transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:53

EAST Search History

L23	28	345/177.ccls. and acoustic and wave and input and device and transducer\$6 and print\$6 and wir\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:53
L24	22	345/177.ccls. and acoustic and wave and input and device and transducer\$6 and print\$6 and wir\$6 and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:54
L25	20	345/177.ccls. and acoustic adj wave and input and device and transducer\$6 and print\$6 and wir\$6 and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:54
L26	11	345/177.ccls. and acoustic adj wave and input adj device and transducer\$6 and print\$6 and wir\$6 and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:54
L27	0	345/177.ccls. and acoustic adj wave and input adj device and transducer\$6 and print\$6 adj wir\$6 and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:55
L28	0	shigeki and acoustic adj wave and input adj device and transducer\$6 and print\$6 adj wire\$6 and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:56
L29	33	shigeki and kanbara	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:56
L30	5	shigeki and kanbara and acoustic adj wave and input adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:58
L31	1	shigeki and kanbara and acoustic adj wave and input adj device and transducer\$6 and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:57
L32	7	shigeki and kanbara and hiroshi and kaneda	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:58

EAST Search History

L33	0	shigeki and kanbara and hiroshi and kaneda and leiichi and kamon	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:58
L34	1	shigeki and kanbara and hiroshi and kaneda and keiichi and kamon	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 10:58
S1	2	"6,091406".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 07:44
S2	30	input adj device and accoustic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 14:45
S3	14250	input adj device and acoustic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 14:45
S4	2	input adj device and acoustic and planar adj wir\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 14:52
S5	15	input adj device and planar adj wir\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 14:51
S6	862	input adj device and acoustic and (planar and wir\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 14:55
S7	3	input and device and acoustic and (planar adj wir\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:16
S8	1	input adj device and acoustic and (planar and wir\$6) and piezoelectric adj vibrator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 14:56

EAST Search History

S9	21	input adj device and acoustic and (planar and wir\$6) and piezoelectric and vibrator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 14:57
S10	2	"5,009,708".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 15:03
S11	2	"5,591,945".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 15:03
S12	2	"5,739,479".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 15:04
S13	2	"5,250,869".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 15:04
S14	28764	touch adj panel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:46
S15	0	touch adj panel and palnar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:46
S16	1120	touch adj panel and planar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:47
S17	422	touch adj panel and planar and wire\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:47
S18	0	touch adj panel and (planar adj wire\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:47

EAST Search History

S19	93	touch adj panel and acoustic and planar and wire\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:48
S20	77	touch adj panel and acoustic and planar and wire\$6 and print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:48
S21	32	touch adj panel and acoustic and (planar and wire\$6 and print\$6) and (power and wire\$6 and print\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:50
S22	0	touch adj panel and acoustic and (planar and wire\$6 and print\$6) and (power and wire\$6 adj print\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:52
S23	474	input adj device and acoustic and (planar and wire\$6 and print\$6) and (power and wire\$6 and print\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:51
S24	14	input adj device and acoustic and (planar and wire\$6 and print\$6) and (power and wire\$6 adj print\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:51
S25	0	(touch adj panel or touch adj screen) and acoustic and (planar and wire\$6 and print\$6) and (power and wire\$6 adj print\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:52
S26	6	(touch adj panel or touch adj screen) and acoustic and wire\$6 adj print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:54
S27	0	(touch adj panel or touch adj screen) and power adj wire\$6 adj print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:54
S28	61	(touch adj panel or touch adj screen) and power and wire\$6 adj print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:56

EAST Search History

S29	5	(touch adj panel or touch adj screen) and power and wire\$6 adj print\$6 and acoustic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:56
S30	22	input adj device and power and wire\$6 adj print\$6 and acoustic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 16:57
S31	1	acoustic adj contact adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:01
S32	11	acoustic adj device and contact\$6 adj detect\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:05
S33	0	acoustic adj device and contact\$6 adj detect\$6 and wire\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:06
S34	1095	acoustic adj device and wire\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:06
S35	3	acoustic adj device and wire\$6 adj print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:07
S36	0	acoustic and contact\$6 adj device and wire\$6 adj print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:08
S37	0	acoustic and contact\$6 adj plane and wire\$6 adj print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:08
S38	81	acoustic and contact\$6 and wire\$6 adj print\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:08

EAST Search History

S39	0	acoustic and contact\$6 and wire\$6 adj print\$6 and ("345"/\$.ccls or "1678"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:09
S40	0	acoustic and contact\$6 and wire\$6 adj print\$6 and ("345"/\$.ccls or "178"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:09
S41	0	acoustic and wire\$6 adj print\$6 and ("345"/\$.ccls or "178"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:09
S42	83	acoustic and wire\$6 and print\$6 and ("345"/\$.ccls or "178"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/10 17:11
S43	58	acoustic and wire\$6 and print\$6 and power and ("345"/\$.ccls or "178"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:20
S44	2	"6,091406".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:13
S45	2	"6,091406".pn. and diffract\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 08:40
S46	1	"6,091406".pn. and power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 08:40
S47	0	input and device and acoustic and (planar adj wir\$6) and power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:16
S48	1	acoustic and (planar adj wir\$6) and power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:17

EAST Search History

S49	4	input adj device and (planar adj wir\$6) and power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:17
S50	0	planar adj wire\$6 and power and ("345"/\$.ccls or "178"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:20
S51	103	(planar and wire\$6 and electrical and power) and ("345"/\$.ccls or "178"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:20
S52	14	(planar and wire\$6 and electrical adj power) and ("345"/\$.ccls or "178"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:20
S53	2	"6,091406".pn. and substrate\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 14:22
S54	1	"6,091406".pn. and planar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:30
S55	1	"6,091406".pn. and wir\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 11:06
S56	1	"6,091406".pn. and wir\$6 and array and acoustic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 11:09
S57	1	"6,091406".pn. and wir\$6 and array and acoustic and reflect\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 11:09